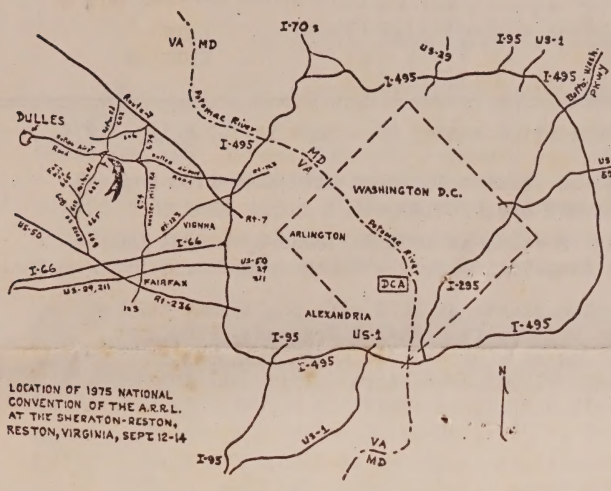
HOW TO GET TO THE CONVENTION SITE by LAND, SEA & AIR



BY CAR: Unless you are familiar with the local area, you should take the Dulles Airport access road (from Highways 495, 7 or 28) and drive directly to the airport, turn around and get off at the RESTON exit. The Convention sight is within site of this exit (to your right). We are hopeful that the RESTON exit will be open in both directions for the convention week end thus saving the airport turn around trip (about 8 extra miles when coming from 495 or 7. PLEASE OBSERVE POSTED SPEED LIMITS IN MARYLAND AND VIRGINIA - Speed traps are numerous. Even though the turn around trip to the airport via the Dulles access road seems like a lot of extra miles - unless you really know the local area, you will definitely save time and frustation by following the above step by step instructions. Many of the local area people use the Dulles road.

BY TRAIN: From Union Train Station, take a Taxi to 16th & K Streets (NW) and get off at the K street side of the Statler Hilton Hotel (not the Washington Hilton). Greyhound Airport Bus Service is $3.75 and runs as follows; 6:00 AM to 11:00 AM, Every Hour on the hour. 11:00 AM to 9:00 PM, Every ½ hour on the ½ hour. 9:00 PM to 6:00 AM, No Service. (Now see Airport Instructions below)

BY AIR; If you are flying in to Dulles Airport, use the Sheraton-Reston courtesy phone in the Baggage Claim Area on the lower level and call for pickup service. If you fly in to Washington National, Greyhound Bus Service to Dulles is available at $3.75 and runs as follows; 7:15 AM to 2:15 PM Every Hour, 15 minutes after the hour. 2:15 PM to 9:15 PM, Every ½ hour - 15 minutes before and after the hour. 9:15 PM to 11:15 PM, Every hour, 15 minute past the hour. 11:15 PM to 7:15 AM, no service

WOMEN'S PROGRAM organized by Rita DesRoches (YF of W4WKT) starts FRIDAY evening at 6:30 PM with the Estee Lauder Cosmetic Demonstrationfollowed by the Diet Workshop. The SATURDAY morning activity starts with a Koffee Klatch at 9:00 AM followed by the Richard Marek presentation "Taming the Wilderness". A special Luncheon is set for noon with Kay Anderson telling you how to get 40 hours out of a day. At 2:00 PM, the Beeline Fashion Show will round out the day and following that, the women are invited to take part in the pre-convention attitude adjustment party mentioned earlier. SUNDAY - Church services (see Sunday on previous page) will be followed by a Breakfast-Brunch. We have really tried to keep the YL's and YF's busy for the convention week-end.

EATING - Fast Economical service is available from Burger Chef located within easy walking distance from the Hotel. The Burger Chef normally opens at 11:00 in the morning; however on Saturday and Sunday of this convention week-end, they will be open from 7:00 AM with light Breakfast service and will be open to midnight on Friday and Saturday. During the day on Saturday, the Hotel will operate a sandwich bar. In addition to the restaurant in the Hotel, an oriental restaurant is located on the shopping mall adjacent to the Hotel.

STOP PRESS - If anyone is interested in Braille (Advanced & possibly General) please contact Bill Grenfell, W4GF.

STOP PRESS AGAIN - we omitted the 2nd section of the fabulous DX program on the other side of this newsletter. It starts at 1300 With Bob White, W1CW & Lynn Lamb, W3BWZ discussing DX Advisory Committee activity. The program also includes; "The Real Heard Island", DX Contesting from Europe and The View From Brunei (by VS5MC).

THE NORTHERN VIRGINIA AMATEUR RADIO COUNCIL WITH THE COOPERATIVE SPONSORSHIP OF THE FOUNDATION FOR AMATEUR RADIO PROMISES YOU A MOST FABULOUS ARRL NATIONAL CONVENTION DURING THE WEEK END OF SEPTEMBER 12, 13 & 14 of 1975.

If this is a duplicate mailing to you, please pass along to a friend.

From; Stuart Meyer, W2GHK/4
2417 Newton St.
Vienna, VA 22180

U.S. POSTAL SERVICE 73 PM 31 AUG 1975

UNITED STATES 10

To;

George F. Munsch W5VPQ
11314 Janet Lee Dr
San Antonio, Tx 78230

1975 ARRL National Convention NEWSLETTER

August 29, 1975

LATE EDITION

Here is some up to date News on the Big Convention coming up - Sept 12, 13 & 14 - 1975.

Friday the 12th; MARCO 0900-1200 Open General Session followed with 1400-1700 Medical Electronic Technology. Both of these sessions are open to all.

Also on Friday, QCWA will have their Annual Meeting at 1000 followed by a QCWA Luncheon. Contact W3HN for Details. The QCWA hospitality room will be open Thur & Fri evening.

Again on Friday, The ARRL Technical Symposium starts at 1400 with the theme: "RFI - Reaching for Improvement". Representation will be from the US Congress, FCC, IEEE, EIA and others. The evening session starting at 1930 will be a general session covering Digital, Propagation, Antennas and Helical Resonators. This activity is actaully outboarded from the convention with a seperate admission ticket ($2.50 in advance - $3.50 at the door) which includes printed copies of all of the papers.

SATURDAY; Registration starts at 0730 with exhibit area open at 0800. The first program starts at 0900 and is an ARPSC open forum coordinated by Bud Cone, WA4PBG with Harry Dannals, ARRL President and ARRL's Public Relations Consultant Don Waters. The fabulous DX program starts at 1000 covering DXing from Antartica, Jabal at Tair & Points East plus Ionospheric Disturbances by Dr. Allan Schneider. A Microprocessor Forum will also start at 1000 with a broad program covering a wide area of interest. FCC exams will also start at 1000 on Saturday and details for preconvention arrangements are covered in the National Convention Article in August QST. The FM Forum also starts at 1000 covering a wide variety of related subjects including; Automated Repeater control & monitoring, Receiver Polling Systems and Movies on 2 meter repeater activities. The Tri-Service MARS program starts at 1100 coordinated by Lt. Col. Peter M Hurd - K4NSS (formerly of Dayton Hamvention fame).

SATURDAY AFTERNOON starts off with the annual Mid Atlantic Amateur Repeater Council (T-MARC) meeting at 1300. Also at 1300, the Space and EME forum begins with too many varied subjects to mention in this small space. The YLRL Forum also starts at 1300. At 1330, A. Prose Walker - W4BW will give a progress report on planning for WARC 79. At 1430, Ralph Lee, WB4YUY will cover Developement and executing a license training program. (Ralph is a QST author). The ARRL Forum starts at 1530 with Harry Dannals, W2TUK & ARRL President to-gether with Officers, Directors and HQ staff. Then at 1800 the Attitude Adjustment party starts (poolside if the weather permits).

BANQUET for Saturday evening starts at 1930, MC'd by FCC Commissioner Bob Lee. Organ Music by "Elena" - K9IHR plus Keynote Speaker Major General Sadler, USAF - "Amateur Radio: Proud Heritage and Challanging Future." At approximately 2200 Astronaut Owen Garriott's (W5LFL) stirring account of the Skylab mission promises to be a long-to-be rembered feature of the 1975 ARRL National Convention. (An admission ticket is not required for this particular event).

MIDNIGHT Saturday (local time) is set for the Wouff Ceremony skillfully acted by the mighty Ed Redington Art Players.

SUNDAY morning starts off with Religious Services by Rev. Wm. Hall - K3CQ and Catholic Mass by Father Dan Linehan - W1HWK. Both of these services start at 0800. At 0900 the FCC Forum begins with coverage from the Amateur Division, the Chief Engineers office and the Field Operations Bureau. The second section of the ARPSC program begins at 1000 with George Hart - W1NJM of ARRL HQ, Bob Dixon - W8ERD covering the XENIA disaster and a unique way of handling traffic by Audrey Brown - WB4ZSM (Raleigh Amateur Radio Society). Also at 1000, Gene Zimmerman - W3BQV will conduct a Contest Operating Forum with many good hints on how to improve your station and yourself. This session will also include the Contest Advisory Committee Forum with Ellen White, W1YL. An RTTY Forum will be held at 1000. At 1100 an Antenna forum will include Lew McCoy - W1ICP and Walt Maxwell - W2DU. Walt will discuss Misconceptions concerning Antennas and Reflections on Lines. This program will also include a presentation by Ralph O. Robinson - WA3YEE entitled "A Novel method for Isolating and exciting a metal tower as an elevated vertical antenna for 40, 80 & 160 Meters (no radials required). The Annual AMSAT meeting starts at 1100.

SUNDAY Afternoon session include at ATV forum at 1300 by Terry Fox - WB4JFI and Bruce Brown - WB4TU. The annual Frankford Radio Club/Potomac Valley Radio Club meeting and Banquet begins at 1330. The Radio Club of America Washington Area Luncheon and Meeting is also scheduled for 1330.

HOTEL RESERVATIONS are now closed out at the Sheraton and arrangements are being made at the Marriott (Dulles Airport)and a nearby Holiday Inn. Rates will not exceed those quoted in the flyer and you will be advised if it is necessary to locate you elsewhere. Transportation will be provided for those needing it and full information will be available at the Convention Registration Desk located in the Sheraton Lobby. (Plenty of rooms are still available in nearby motels)

BANQUET seats are now sold out and we are trying to make arrangements for expanding this activity. One possibility is to open an additional dining area with closed circuit TV. We will issue standby numbers and advise you accordingly.

CLAY COMMENTS

A TWO TRANSISTOR WIDEBAND AMPLIFIER

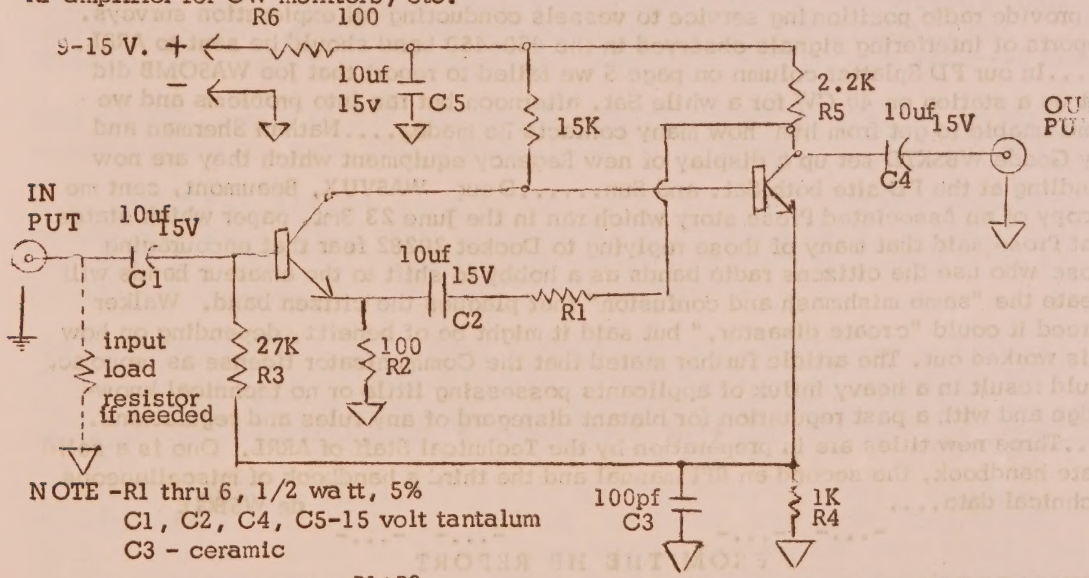
By W5ZPV CLAY LASTER

While researching literature for a wideband amplifier for a frequency counter, I ran across an article in May 72 CQ by A. B. Hutchison entitled "General Purpose Wideband Amplifier." The simplicity of a two transistor amplifier which could provide a flat gain characteristic up to 250 mHz with about 3 DB gain or 10 DB at 120 mHz had intrigued me. Although I have not completed the construction of this amplifier, I beleive that it may be of interest to many hams in the San Antonio Radio Club.

The circuit of the amplifier is shown in the schematic below. The two transisters are 2N5126 or 2N818. Substitutions could probably be developed by experimenting with circuit parameters. The first transister ,Q1, is a conventional common emitter amplifier with the bias being determined by the voltage drop of the Q2 transister. This introduces a negative DC feedback voltage which compensates for power supply and temperature variations. Transister Q2 is a direct coupled amplifier with a maximum open circuit gain of about 6 DB. The negative feedback circuit (R1 and C2) directly controls the maximum frequency response upper limit and indirectly the gain. The gain of the overall circuit is determined by the ratio of R1 and R2. With R1 open circuit (or infinity), the gain of the wideband amplifier is approximately 40 DB and the upper frequency response is approximately 40 DB. I recommend that a 10K ohm potentiometer be used to initially establish the required gain for a particular circuit use.

The author reported that with a gain of 20 DB, the frequency response was within 1/4 to 1/2 DB across the frequency range to about 100 mHz. Several of these amplifiers could be connected in cascade when the total circuit gain is over 60DB. Three amplifiers, each with 20 DB gain, provide a total gain of 60 DB and will handle signals up to 400 microvolts input before the last stage overloads. Shielding and power supply filtering should be used when such a combination is employed.

Uses for this amplifier include: wideband oscilloscope amplifiers, wideband pre-amp. RF amplifier for CW monitors, etc.



NOTE -R1 thru 6, 1/2 watt, 5%
C1, C2, C4, C5-15 volt tantalum
C3 - ceramic

Voltage Gain $\cong \frac{R1+R2}{R2}$

Maximum useable Gain $\cong$ 38 to 44 DB

Maximum output voltage $\cong$ 1.0 V P-P

Input/Output Impedances $\cong$ 1000 ohms

73, Clay W5ZPV.

SILENT KEY — Carl Porter, W5SLF, a member of SARC, has joined the rank of Silent Key. Carl, 49 years old, suffered a fatal heart attack July 1. Carl lived in SA 5 yrs. & was active on 15 & 20, both CW & phone.

TEXAS VHF-FM SOCIETY SUMMER CONVENTION 1975

The Temple VHF Repeater Association invites all amateurs to attend the Texas VHF-FM Society Summer Convention '75. The convention will be held at the Ponderosa Inn in Temple, Texas, August 1, 2 and 3.

Program Highlights: Featured speaker, A. Prose Walker, W4BW, Chief of the Amateur and Citizen's Division of the FCC. ....Swapfest: Bring your card tables and all your goodies to sell. .....Manufacturer's exhibits and equipment displays. .... TIRS (Texas Intercity Relay System) workshop and demonstration. .....Repeater control and autopatch workshop. .....220 mHz workshop. ..... Frequency coordination meeting.

Women's Activities: A tour of historical Salado by bus. Stroll the banks of Salado Creek and view the artwork of 150 artists. Lemonade under the giant oaks at Tyler House. Pre-registration, please. ....Coffee and door prizes on Sunday.

Prizes and other activites: Pre-registration Prize, Motorola Metrum II 25-watt 2-meter transceiver. .....Special Contributor's Prize, ICOM IC-230 fully synthesized 2 meter transceiver. ....Prize Drawings for many other smaller prizes will be held throughout both days of the convention. ....Hospitality Rooms. ....and Much More!

For more information write the Temple VHF Repeater Assoc. P.O. Box 23 Temple, Texas, 76501

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FOR SALE--Galaxy 5 MK III xcvr, 500 PEP SSB and 300 CW, VOX and 25 Kc calibrator, HD AC400 PS. All A1 operating condition--$300. Also available Galaxy matching console w/patch, speaker, rel/pwr SWR and Galaxy 2000B linear. James Dunn WA5YEA, 625 0755, 11 Ohio Avenue, New Braunfels, Tx., 78130.

FOR SALE--SB 102 Heathkit, 400 Hz filter, SB 600 PS, SWR meter, 40 m ant., and other goodies all like new--$400. Jack Skiles WN5KVP, 826 3079.

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SPLATTER-----By W5BGE

A public notice from FCC reports that Offshore Navigation, Inc of Harhan, La., has been granted a construction permit and license for a new fixed experimental development station to operate on various discrete frequencies between 230 and 445 mHz, to test and modify Shoran equipment used in overseas assignments to provide radio positioning service to vessels conducting oil exploration surveys. Reports of interfering signals observed in the 420-450 band should be sent to ARRL. .....In our FD Splatter column on page 5 we failed to report that Joe WA5OMB did set up a station on 40 CW for a while Sat. afternoon but ran into problems and we were unable to get from him how many contacts he made.....Nathan Sherman and Jay Goode WB5KTD set up a display of new Regency equipment which they are now handling at the FD site both Sat. and Sun.....Doug WA5VUX, Beaumont, sent me a copy of an Associated Press story which ran in the June 23 Bmt. paper which states that Prose said that many of those replying to Docket 20282 fear that encouraging those who use the citizens radio bands as a hobby to shift to the amateur bands will create the "same mishmash and confusion" that plagues the citizen band. Walker agreed it could "create disaster," but said it might be of benefit, depending on how it is worked out. The article further stated that the Communicator license as proposed could result in a heavy influx of applicants possessing little or no technical knowledge and with a past reputation for blatant disregard of any rules and regulations. ....Three new titles are in preparation by the Technical Staff of ARRL. One is a solid state handbook, the second an RFI manual and the third a handbook of miscellaneous technical data....

de W5BGE

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FROM THE HR REPORT

SEVERAL FCC ACTIONS of interest to amateurs are expected yet this month, before the commissioners take their August recess.

Extras Requesting Specific Callsigns, Docket 20092, has been reported about ready for commissioner consideration so a Report and Order on it is probable in the next few weeks.

CB Class D Restructuring, Docket 20120, is also expected to see light during July as predicted by Special Services Bureau Chief Higginbotham. It will be interesting to see if the promised enforcement "teeth" come along with it.

Finally, "Exotic Emissions," the long-awaited Docket proposing regulation of facsimile, wideband television, pulse, digital, multiplex and other "exotic" transmission modes is pretty well set, will probably receive commissioner nod for release as a Notice of Proposed Rule Making before the month is out.

SAN ANTONIO RADIO CLUB PROGRAM SCHEDULE

18 July--Home Brew Nite. Please, all you amateurs that have constructed some gadget, device, rig, etc., bring it to demonstrate or show to the club.

1 Aug--We are hoping to have George W5VPQ give a talk on frequency meters.

15 Aug.--The San Antonio Police Department will provide a film on burglary and theft and how to avoid this happening to you. Should be very interesting to amateurs as it will help us protect our amateur rigs as well as other valuable property.

September--We are trying to get an amateur Swapfest set up during this month. We will provide additional details later. However, you can be thinking about what old rig or piece of test equipment (or any old gadget) that you may wa. to pawn off on your best friend.

de Clay W5ZPV, Program Chairman

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FIELD DAY SPLATTER By Dean W5BGE

The rain in SA proper kept some from attending the FD activite however at the site itself we had no rain to speak of. It has been estimated that some 200 or more were in attendance. The bands stayed open most of the time and kept most of the operators busy. Quite a bit of gear exchanged hands at the Swapfest, which was helped considerably by the hot tamales and beer.

The most outstanding area was the the activity in the Novice site--they went all out. Sparkpluged by Bob WN 5MC J and assisted by Mike WN5OKK, Jim WN5NOR, Tucker WN 5MLC , Tommy WN5MFO, John WN 5N U K, Randy WN 5LPN , Charlie WN 5LO W, and Earl WN 5MQ O. Their campsite was a bee hive of action. They accounted for nearly 100 contacts on 40 CW.

The 2m site was handled by Bob W5PKK, assisted by Chuck WB5FWI, Oly W5BDN, ED WA5ZEG and others, Nearly 80 contacts were made on 2 meters.

Again 15 fone led the field with nearly 650 contacts. Robert WA5JDU along with George WB5LDN were chief operators, assisted by Chris WN5LKQ , Jim K5UKN, Duke K5ZJA, Bill WA5QHG, Jim W5CDT, Bob Osborn, Bob Sarvis, and David Simon.

A featured attraction was the Alamo YLs, headed by Barbara WB5GAH. Operators who assisted her were: Ruth K5OPT, Beverly WA5AKA, Aileen K5OPV, Inez W5WXT, Linda WB5LEN and Peggy WA5GZO. Also helping at the site were: Don K5ALK, Larry WB5GVD, Larry WA5PAF, and Gene W5EJT. Nearly 225 contacts were made--20 fone

Ivan WA5RNV, Aubrey K5MO F, and Tommy WB5LOR operated 75 fone, tho not open Saturday afternoon, were able to secure some 175 contacts.

J. D. WB5MXJ and his crew set up for 160, 80 15, 10, and 6. Working these bands at their best times, gained some 150 contacts both on fone and CW. Assisting him were Ricky WB5OBG, Carl WA5LIX, Tanya WB5MXK. It took a lot of work to set up for all these bands and they should be highly commended!

The New Braunfels H. S. Radio Club, supervised by Larry WA5VTT,set up a site on 40 fone. Other operators were WB5LUS and WA5WNA, assisted by John WN 5MKW, Randy WN 5LPN , Billy WN 5OOJ and Felix WN5NED. SARC was pleased that they came over to SA to help and hope they will join us next year.

The QCWA group again operated 20 m CW. Roy W5EYB was in charge of this site. Operators who assisted included: Les W5BE, Bill K5TSR, Jack W5PF, Gene W5EJT, Jimmy W5JC, Dan W5DUI, Irv W5UB, Floyd W5JKU, Dean W5BGE, Jerry W5KLV, Bob W5PKK, and Larry WB5GVD. Nearly 300 contacts were made--fair band conditions.

A highlight of the FD operation was the breakfast prepared by Bob WN5MCJ and his crew. This has been covered in the By the Way column on page one but we thought it should be mentioned again because it sure tasted good Sunday morning!

The mosquitoes, chiggers and ticks did not bother us and we were able to sleep some parts of Saturday night when we were not operating. The weather held off from raining, it was fairly cool and cloudy. So all in all it turned out to be a sucessful weekend.

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WANTED--TA33 tribander or equiv. George WN8SRT/5 824 4319.

ARRL Gnl Mgr Dick Baldwin reports that membership has increased from 112,382 at year-end to 118,192 at the end of June, 1975. In my newsletter of recent date I used end of 1974 figures in quoting our West Gulf Division statistics. The recently received membership roster makes the picture look even better as we now have a total of 6402 members in the division, an increase of approximately 33-1/3 % in the past 6½ years!

Three new manuals are in process of preparation by the League's Technical staff. One is a solid-state handbook, the second an RFI manual, and the third a handbook of miscellaneous technical data. Estimated publication date for the solid-state handbook is next summer, while the other two titles should be ready late this fall.

Offshore Navigation, Inc., of Harahan, La., has been granted a construction permit and license for a new fixed experimental developmental station to operate on various discrete frequencies between 230 and 445 Mhz, to test and modify Shoran equipment used in overseas assignments to provide radio positioning service to vessels conducting oil exploration surveys. Reports of interfering signals observed in the 420-450 band should be sent to ARRL Headquarters.

We are informed that headquarters is completely sold out of the hardcover copies of the 1975 Handbook. Paperback copies will also probably be sold uut before the 1976 edition appears.

A call from league General Counsel Bob Booth informs us the ARRL response to Docket 20282 entails approximately 100 pages, plus appendices, in order to insure that FCC understands the League's position on the docket. We certainly hope the response of 56,000 league members, combined with the judgment and experience of the 16 directors and the headquarters staff, is given careful consideration by the Commission. Most certainly if those gentlemen believe in the rules of logic they cannot help but consider this filing their best available information on the subject of restructuring.

Names make news - Please report your activities to the SCM on the first of each month. What YOU are doing is of interest to many of us. Address of SCM appears on QST page 6, each month.

SMIRK #1 (Ray Clark, K5ZMS) reports that SMIRK (Six Meter International Radio Klub) continues to grow like mad. Membership now over 960, and is expected to top 1,000 within the next month or so.

San Antonio Chapter of Quarter Century Wireless Association advises their annual picnic and camp-out will again be held at Canyon Park, Canyon Lake, the last Saturday of this month, July 26. Visitors are welcome. Bring your own food, etc. F/info see Les, W5BE, 698-2215.

In addition to other activities announced in my news-letter add the following: Central States VHF Society Convention (VHF DXers) Weekend of August 15,16,17, Western Hills Lodge, Wagoner, Oklahoma. Golden Spread Swapfest, Villa Inn Motel, Amarillo, Texas, Saturday and Sunday, August 23, 24.

Observing the recent balloon ascension at Hemisfair Plaza was an exciting experience. It immediately created a desire to have someone carry up a 2-meter walkie-talkie on one of those flights for some balloon mobile dx-ing. Seems that we read some time ago where balloonists gather at Albuquerque, NM, each year for mass flights. Does anyone have any info on that? If so, please pass the word along to me.

With the hurricane season soon to be upon us, shouldn't we have a meeting of all South Texas Emergency Coordinators early next month in order to coordinate communications for the hurricane season? It appears such a meeting could be held in San Antonio because of our central location in the section. SCM, SEC, and SARC club president please note.

Hal Sears, W5NC, long-time faithful and active ARRL member has been nominated for director of QCWA. Let's give Hal 100% support.

June issue of THE QCWA NEWS contains an article by W. Gulf Div Asst Dir Ted Heithecker, W5EJ, which we consider of interest to newcomers and oldtimers alike. We are taking the liberty of reproducing the entire article on the following page.

THE OLD TIMERS' CORNER

By W5EJ

In the process of learning to investigate the records and finding the first calls assigned to nearly 1000 old-timers during the past 5 years, we've become aware that there are many real facts concerning early day licensing that are not well known. To help clear up some of the misconceptions and mis-information that is pretty well normal throughout the old-timers ranks, we have looked up information on what really happened back around World War I - facts on the cut-off of amateur activities and facts on when such activities were resumed. Here is about what happened back in the really pioneer days of Amateur Radio - days of the quenched gap, the Ford coils, and ozone sniffing.

The United States became officially involved in World War I in April of 1917. As a result of that involvement, and in the preceding interval of uneasy peace, the U.S. Navy Department took two official actions. The first was the elimination of issuing new Amateur licenses, and the second was the order which authorized police and military personnel to actually supervise the dismantling of Amateur equipment. Let us quote the exact order.

From "THE WIRELESS AGE," Vol. 4, no. 8, dated April, 1917 comes this announcement of the termination of all Amateur activity during World War I.

"Acting under instructions from the Navy Department at Washington, on April 8, 1917, the military and police authorities throughout the country began dismantling all sets of wireless apparatus with exception of those used by the Government or under the direct supervision of the United States officials."

Previously, on March 28, 1917, Secretary of Commerce Redfield ordered as a precautionary measure, that no further licenses were to be issued for the operation of Amateur wireless stations until further notice.

The order barring Amateur Operations, even to the point of listening, was in effect throughout World-War I. Upon the collapse of Germany, there was a great deal of unrest among Amateurs, most of whom spent the war years in the Army or Navy and who were most anxious to begin Amateur operations again. The Navy Department was loath to release the airwaves to Amateur use, feeling that Radio Communications would be more orderly under control of the military. However, as a result of the activities of the young ARRL, and other interested and active groups, the Navy did agree to release the airwaves upon the official announcement that the United States was no longer in a state of war.

On September 26, 1919, the Navy Department issued a statement which did authorize the beginning of Amateur operations:

> "The Secretary of the Navy authorizes the announcement that effective October 1, 1919, all restrictions on Amateurs and Amateur radio stations are removed. ... Attention is invited to the fact that all licensees for transmitting stations have expired and that it will be necessary for the amateurs to apply to the Commissioner of Navigation, Department of Commerce, for new licenses..."

This was it! At long last the lid was lifted, and it was expected that Amateurs would go wild, and in the main their joy was unalloyed.

It is interesting to note that all licenses had expired. As of October 1, 1919, the slate was clean; there were no licensed Amateur stations in existence, now were there any pending applications. So it was a new ball-game from that time forward.

Since nearly all Amateurs had been active in the military during the war, ARRL had ceased publication, as had the NAWA and others who had catered to Amateur activities before the 1917 shut-down. With the end of hostilities ARRL began publication of QST (he means resuming publication- Roy). It was a touch-and-go situation. Finances were nearly zero and the organization was forced to request loans from its members. The loans were just that - loans, to be paid back with interest when ARRL finally became solvent.

What a fight those pioneers who bequeathed us our frequencies made!

Ted, W5EJ.

Congratulations to Ted on a most interesting article.
73, Roy L. Albright, W5EYB, Director, West Gulf Division ARRL.

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83

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